MAY 17 2004
PATENT & TRADEMARK OFFICE

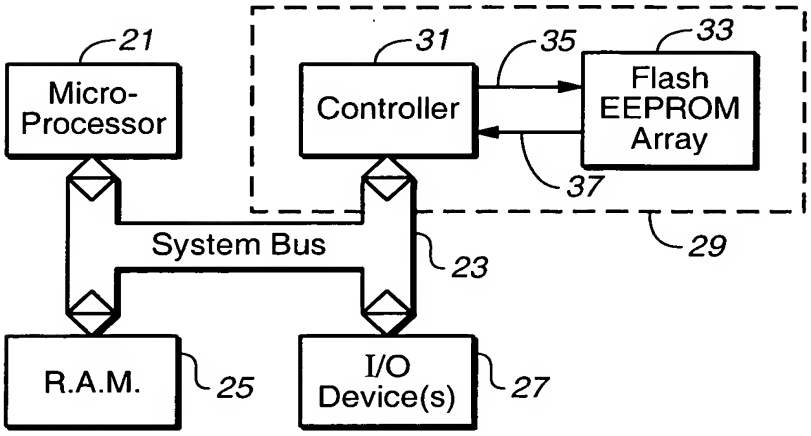


FIG._1

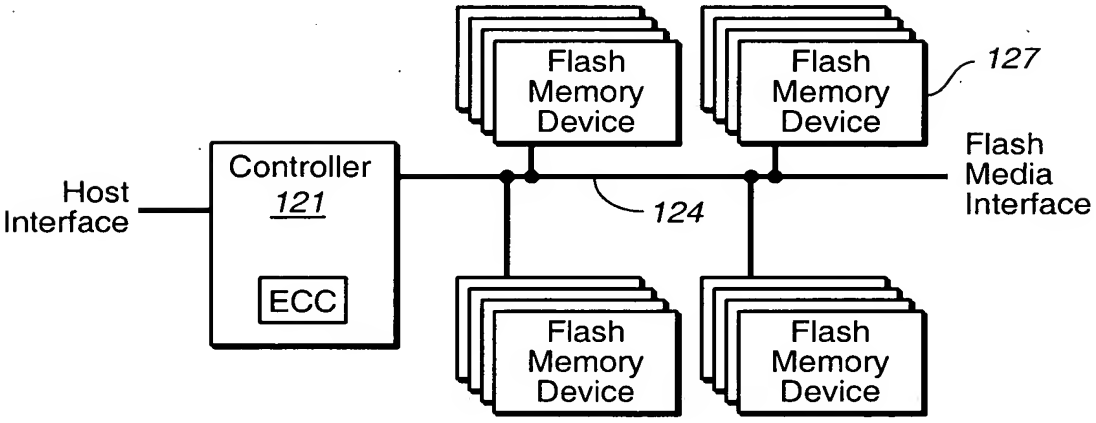


FIG._2

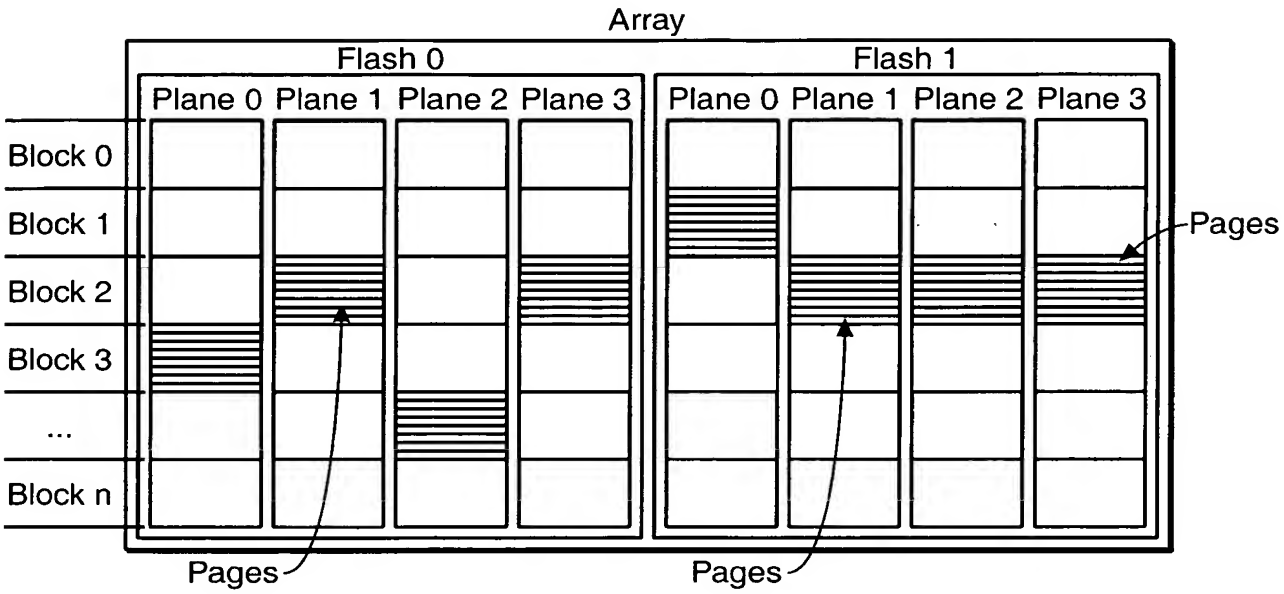


FIG._3

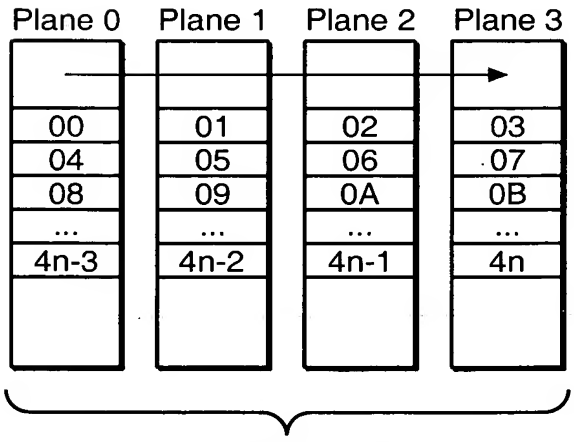


FIG._4

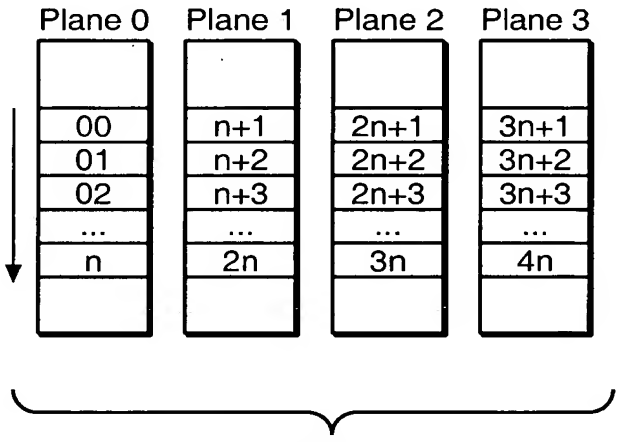
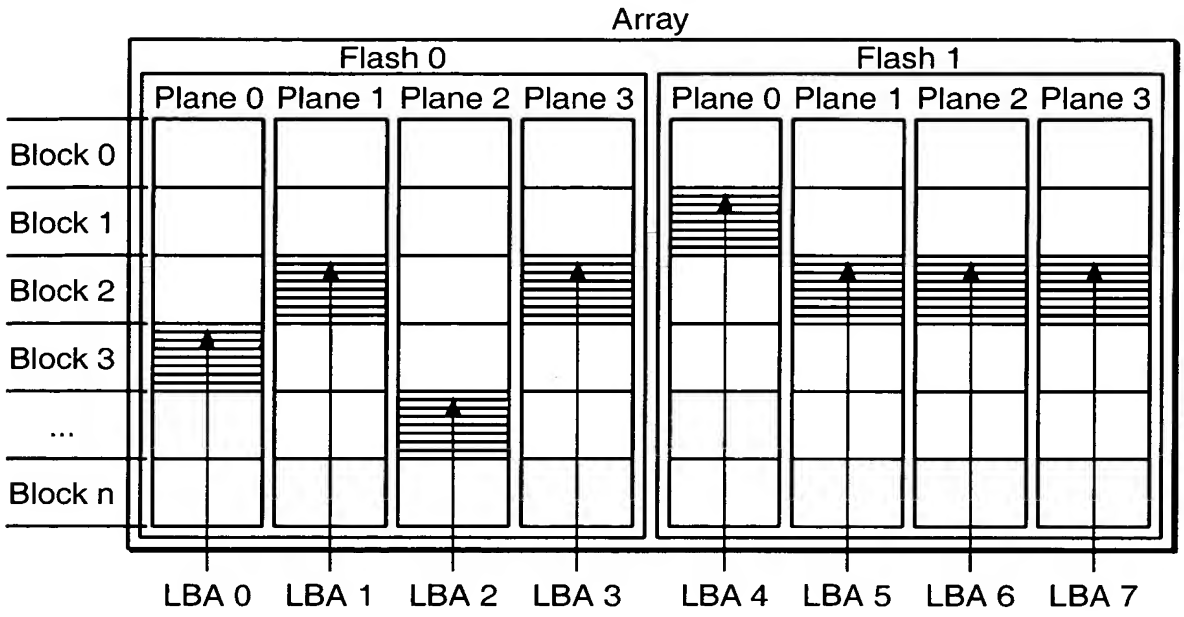


FIG._5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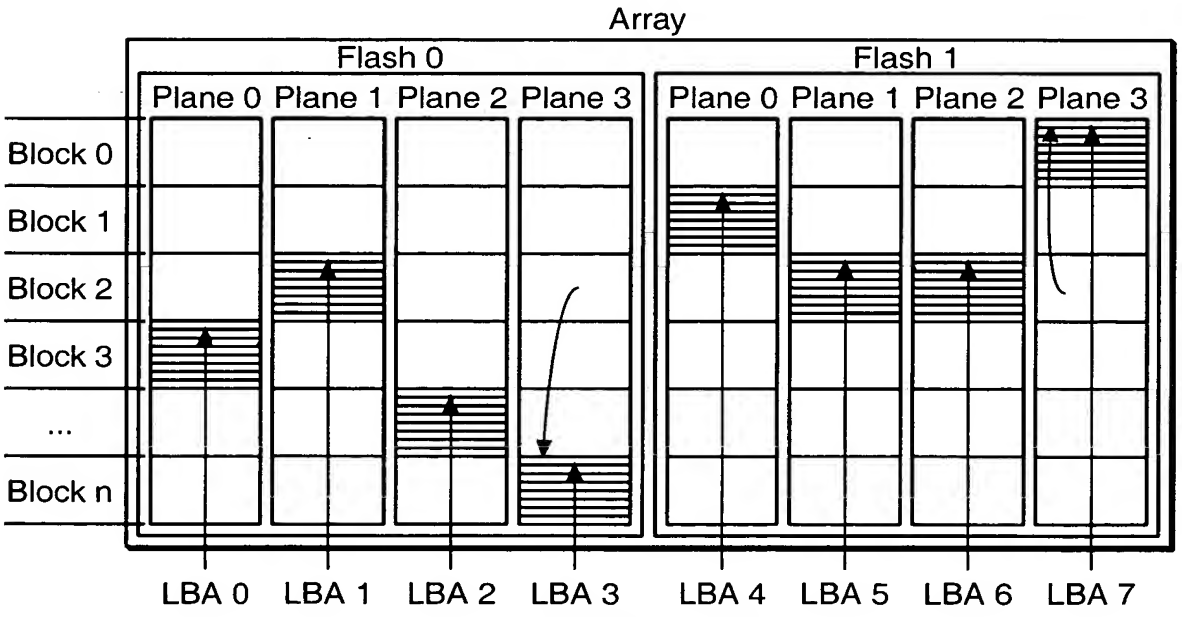
Flash 1
Plane 0 Plane 1 Plane 2 Plane 3
Plane 0 Plane 1 Plane 2 Plane 3
Block 0
Block 1
Block 2
Block 3
...
Block n
LBA 0 LBA 1 LBA 2 LBA 3 LBA 4 LBA 5 LBA 6 LBA 7

FIG._6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Flash 1
Plane 0 Plane 1 Plane 2 Plane 3
Plane 0 Plane 1 Plane 2 Plane 3
Block 0
Block 1
Block 2
Block 3
...
Block n
LBA 0 LBA 1 LBA 2 LBA 3 LBA 4 LBA 5 LBA 6 LBA 7

FIG._7

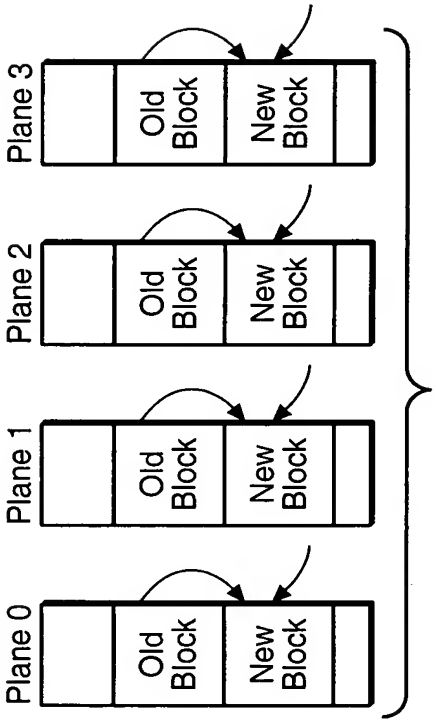


FIG._9

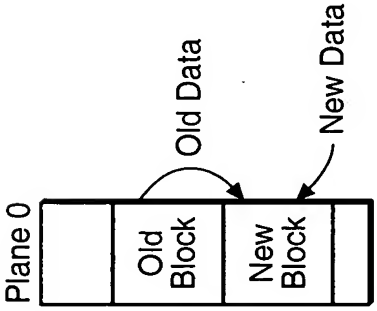


FIG._8

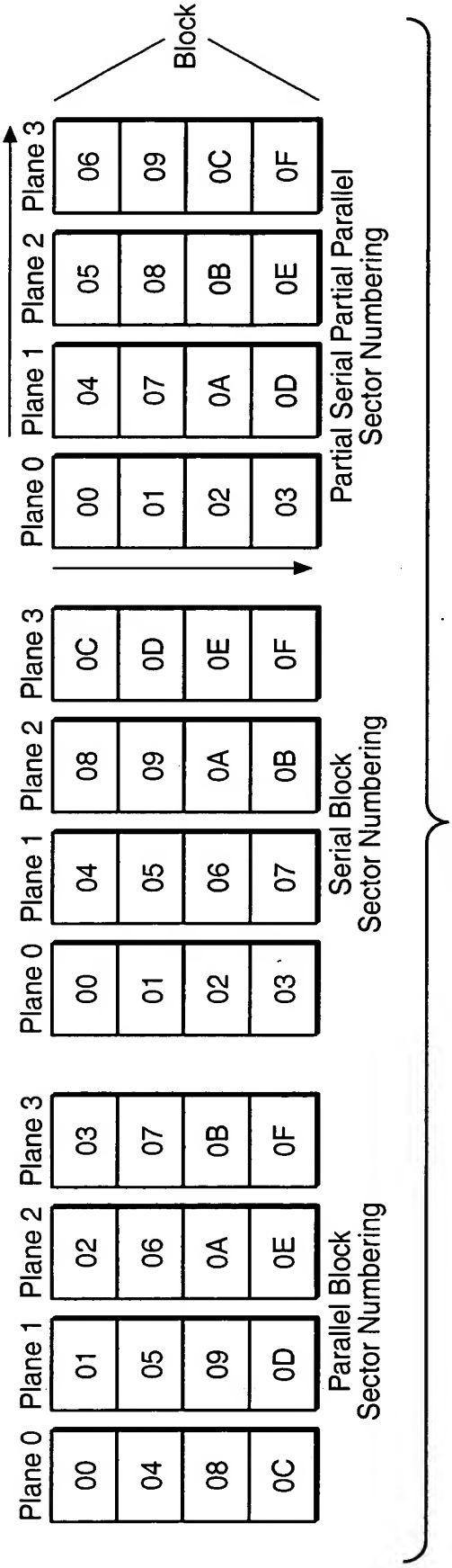
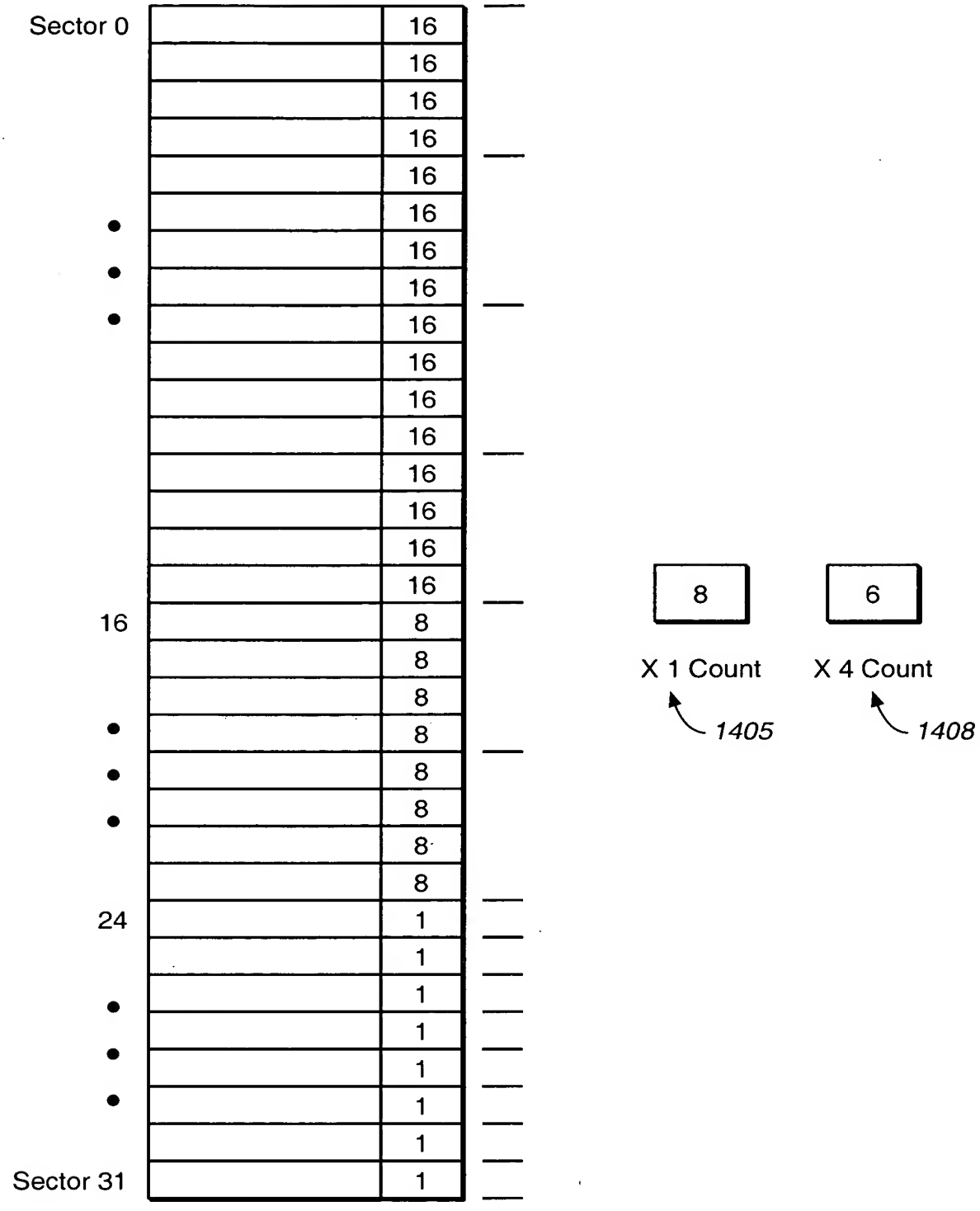


FIG._11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16
16
16

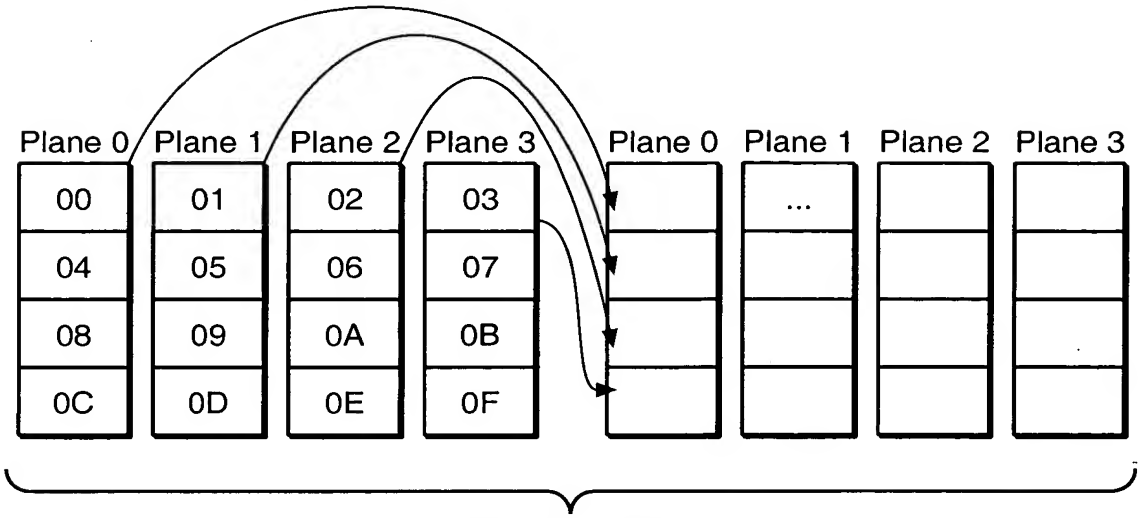
Plane 0
Plane 1
Plane 2
Plane 3
Plane 0
Plane 1
Plane 2
Plane 3
00
01
02
03
...
04
05
06
07
08
09
0A
0B
0C
0D
0E
0F

FIG._12

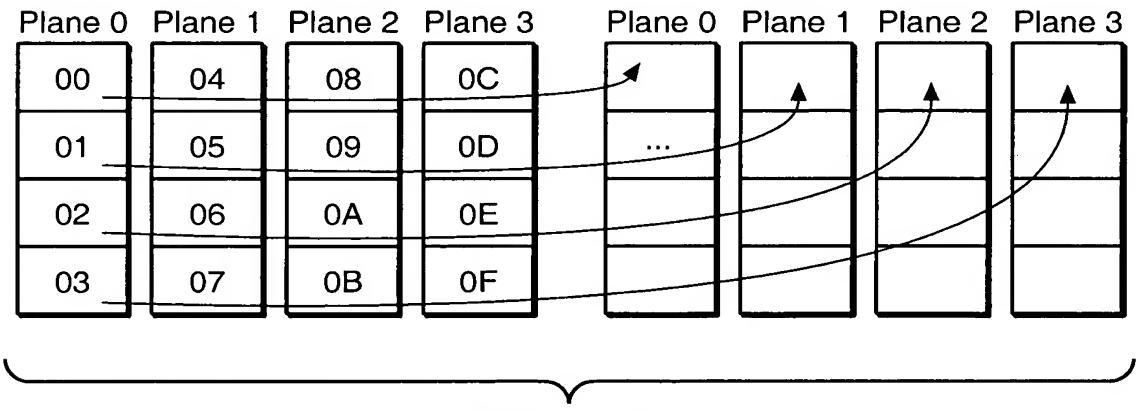
Plane 0
Plane 1
Plane 2
Plane 3
Plane 0
Plane 1
Plane 2
Plane 3
00
04
08
0C
01
05
09
0D
...
02
06
0A
0E
03
07
0B
0F

FIG._13